Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/10/2019 09:15 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125002	0	1.95	125107	1.91
Blue	F	SSC	125000	124508	-1	1.59	125344	1.58
Blue	E	FITC	16433	16090	-3	2.66	352	19.09
Blue	D	PE	27595	27135	-2	1.83	592	14.37
Blue	B	PerCP-Cy5-5	43183	42419	-2	3.51	1142	19.61
Blue	A	PE-Cy7	31943	31840	-1	5.87	611	39.54
Red	C	APC	42819	42443	-1	2.35	1502	11.83
Red	A	APC-Cy7	31261	29956	-5	2.23	793	11.87
Violet	B	V450	6527	6313	-4	4.38	352	12.93
Violet	A	V500	24533	23523	-5	4.21	547	10.55

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18082	10.24	609	9	N/A	N/A	Pass
Blue	F	SSC	56696	1.13	547	-1	N/A	N/A	Pass
Blue	E	FITC	64	62.06	538	-1	0.0228	158	Pass
Blue	D	PE	123	48.82	534	0	0.1739	279	Pass
Blue	B	PerCP-Cy5-5	213	48.37	643	1	0.0098	77	Pass
Blue	A	PE-Cy7	116	96.27	692	3	0.0115	14	Pass
Red	C	APC	357	24.88	579	-4	0.0259	173	Pass
Red	A	APC-Cy7	176	28.24	557	-6	0.0056	815	Pass
Violet	B	V450	54	58.74	448	-7	0.0564	2202	Pass
Violet	A	V500	83	32.95	459	-8	0.0228	678	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.09	-31.76	1.03
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	16.80	13.60 - 20.40	N/A	N/A	29.56	29.80	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 10307

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments